

What is claimed is:

1. A multifunctional photoelectric switch comprising:

5 a display section for displaying one of a first display information and a second display information, the first display information including a plurality of items concerning a threshold value, the second display information including a plurality of items concerning functions of said photoelectric switch;

10 a switch for switching information to be displayed on said display section between the first display information and the second display information, and

15 wherein when the second display information is displayed on said display section, only a part of the plurality of items or all of the plurality of items in the second display information are sequentially displayed on said display section.

20 2. The photoelectric switch as claimed in claim 1, wherein when the first display information is displayed on said display section, only a part of the plurality of items or all of the plurality of items in the first display information are sequentially displayed on said display section.

3. The photoelectric switch as claimed in claim 1, wherein

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said display section displays a first selection item for  
selecting only a part of the plurality of items or all of the  
plurality of items in the second display information to  
sequentially display on said display section when the information  
displayed on said display section is switched from the first  
display information to the second display information.

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4. The photoelectric switch as claimed in claim 2, wherein  
the first display information includes a second selection item  
for selecting only a part of the plurality of items or all of the  
plurality of items in the first display information to  
sequentially display on said display.

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5. The photoelectric switch as claimed in claim 1, wherein  
said switch also switches items to be displayed on said display  
section.

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6. A multifunctional photoelectric switch comprising:  
a display section for displaying one of a first display  
information, a second display information, and a third display  
information, the first display information including a plurality  
of items concerning a threshold value, the second display  
information including a plurality of items concerning functions

of said photoelectric switch, the third display information including a plurality of items concerning displays of said photoelectric switch; and

10 a switch for switching information to be displayed on said display section among the first display information, the second display information, and the third display information.

15 7. The photoelectric switch as claimed in claim 6, wherein when the first display information is displayed on said display section, only a part of the plurality of items or all of the plurality of items in the first display information are sequentially displayed on said display section.

20 8. The photoelectric switch as claimed in claim 7, wherein the third display information includes a third selection item for selecting only a part of the plurality of items or all of the plurality of items in the first display information to sequentially display the selected items on said display section.

25 9. The photoelectric switch as claimed in claim 6, wherein when the second display information is displayed on said display section, only a part of the plurality of items or all of the plurality of items in the second display information are

sequentially displayed on said display section.

10. The photoelectric switch as claimed in claim 9, wherein  
said display section displays a fourth selection item for  
5 selecting only a part of the plurality of items or all of the  
plurality of items in the second display information or the third  
display information to sequentially display the selected items on  
said display section when the information displayed on said  
display section is switched from the first display information to  
10 the second display information.

11. The photoelectric switch as claimed in claim 6, wherein  
said switch also switches items to be displayed on said display  
section.

12. A multifunctional photoelectric switch comprising:  
a display section for displaying one of a first display  
information and a second display information, the first display  
information including a plurality of items concerning a threshold  
20 value, the second display information including items concerning  
basic operation setting of said photoelectric switch and items  
concerning the other operational settings of said photoelectric  
switch, the second display information further including a fifth

selection item for selecting a first display information or the items concerning the other operational settings of said photoelectric switch in the second display information to display the selected items on said display section;

5           a switch for switching information to be displayed on said display section between the first display information and the second display information, and

          wherein the fifth selection item is displayed on said display section after the items concerning basic operation setting of said photoelectric switch are displayed on said display section.

13.   The photoelectric switch as claimed in claim 12, wherein said switch also switches items to be displayed on said display section.

14.   A multifunctional photoelectric switch comprising:

          a display section for displaying one of a first display information and a second display information, the first display information including a first plurality of items concerning a threshold value, the second display information including a second plurality of items concerning functions of said photoelectric switch;

a switch including means for switching information to be displayed on said display section between the first display information and the second display information, and

means for sequentially displaying some of the second plurality of items and means for sequentially displaying all of the second plurality of items when the second display information is displayed on said display section.

15. The photoelectric switch as claimed in claim 14, further comprising means for sequentially displaying some of the first plurality of items and means for sequentially displaying all of the first plurality of items when the first display information is displayed on said display section.

16. The photoelectric switch as claimed in claim 14, further comprising a means for displaying a first selection item for selecting said means for sequentially displaying some of the second plurality of items and said means for sequentially displaying all of the second plurality of items when the information displayed on said display section is switched from the first display information to the second display information.

17. The photoelectric switch as claimed in claim 15,

further comprising a means for displaying a second selection item for selecting said means for sequentially displaying some of the first plurality of items and said means for sequentially displaying all of the first plurality of items.

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18. The photoelectric switch as claimed in claim 14, wherein said switch also switches the items to be displayed on said display section.

10 19. A multifunctional photoelectric switch comprising:

15 a display section for displaying one of a first display information, a second display information, and a third display information, the first display information including a plurality of items concerning a threshold value, the second display information including a plurality of items concerning functions of said photoelectric switch, the third display information including a plurality of items concerning displays of said photoelectric switch; and

20 a switch including means for switching information to be displayed on said display section among the first display information, the second display information, and the third display information.

20. The photoelectric switch as claimed in claim 19,  
further comprising means for sequentially displaying some of the  
second plurality of items and means for sequentially displaying  
all of the second plurality of items when the second display  
5 information is displayed on said display section; and

means for sequentially displaying some of the first  
plurality of items and means for sequentially displaying all of  
the first plurality of items when the first display information  
is displayed on said display section.

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